Exercise 3: Year to Date

Year-to-date (YTD) is a period starting from the beginning of the current year and continuing up to the present date. You want to calculate the YTD sales and compare this with the figure from the same period last year. Specifically, you will create the following measures:

- **YTD Sales**: calculates the YTD sales. Format this measure as **Currency**. (Hint: Check out the **TOTALYTD** function).

- **LY YTD Sales**: calculates last year YTD sales. Format this measure as **Currency**. (Hint: You might find the **CALCULATE** and **SAMEPERIODLASTYEAR** function useful).

- **YTD Sales Var**: calculates sales variance between this year and last year YTD sales. Format this measure as **Currency**. (Hint: This is simply the difference between **YTD Sales** and **LY YTD Sales**).

- **YTD Sales Var %**: calculates sales variance between this year and last year YTD sales in percentage. Format this measure as **Percentage**. (Hint: This is simply the percentage of **YTD Sales Var** from **LY YTD Sales**. You might find the **DIVIDE** function useful).

Lab Questions

0/4 points (graded)
Answer the following questions using the measures you created. (Do NOT include currency symbols or thousands separators). The fastest way to do this is to drag the measures you created to the Report view and format them as a table visualization. Do not use any level of filtering to answer the questions.

What is the figure for the LY YTD Sales measure? (to two decimal places)

| 0 |

✖ **Answer:** 272629284.11

0

What is the figure for the YTD Sales Var % measure? (enter the **absolute** value, to two decimal places)

0   %   ✖ **Answer:** 49.76

0

Explanation
YTD Sales = TOTALYTD([Total Sales],'Date'[Date])
LY YTD Sales = CALCULATE([YTD Sales],SAMEPERIODLASTYEAR('Date'[Date]))
YTD Sales Var = [YTD Sales] - [LY YTD Sales]
YTD Sales Var % = DIVIDE([YTD Sales Var],[LY YTD Sales])
LY YTD Sales figure is $272,629,284.11
YTD Sales Var % figure is -49.76% (49.76 is the absolute number)

Submit   You have used 2 of 2 attempts

ⓘ   Answers are displayed within the problem

If you're stuck, check out the following DAX expressions to calculate similar measures, but on **Units** instead of **Revenue**.

- **YTD Total Units**: YTD Total Units = TOTALYTD([Total Units],'Date'[Date])

- **LY YTD Total Units:** LY YTD Total Units = CALCULATE([YTD Total Units],SAMEPERIODLASTYEAR('Date'[Date]))

- **YTD Total Units Var**: YTD Total Units Var = [YTD Total Units] - [LY YTD Total Units]

- **YTD Total Units Var %**: YTD Total Units Var % = DIVIDE([YTD Total Units Var],[LY YTD Total Units])